



100/150M TWIN PHOTOELECTRIC BEAM SENSOR

2PH-100A / 2PH-150A



FEATURES :

- A.G.C. (Automatic Gain Control) Circuit.
- 99% Beam Blocking Stability
- High-efficiency Aspheric Lens
- Dew, Dust & Insect, Protection.
- Heating Unit (HT-150) is available as an optional part for extremely cold area.

ISO 9001:2008 

100/150M TWIN PHOTOELECTRIC BEAM SENSOR

2PH-100A / 2PH-150A



SPECIFICATION

MODEL		2PH-100A	2PH-150A
Detection Distance	Outdoor	300 ft. (100m)	450 ft. (150m)
	Indoor	600 ft. (200m)	900 ft. (300m)
Max. Arrival Distance		3000 ft.(1000m)	4500 ft.(1500m)
Current Consumption		43mA (max)	50mA (max)
Power supply		10.5V ~ 28VDC (Non _Polarity)	
Detection System		Simultaneous breaking of 2 beams	
Response Time		50msec ~ 700msec (Adjustable)	
Alarm Output		Dry connect relay NC./ NO. 0.2A / 28VDC Contact action: 0.5 To 2 sec .	
Tamper Output		Dry connect relay NC. 0.2A / 28VDC Action : cover is detached.	
Alarm LED		Red LED (Receiver) lights when an alarm is initiated.	
Functions		A.G.C. (Automatic Gain Control) Circuit. 99% Beam Blocking Stability	
Alignment Angle		Horizontal $\pm 90^\circ$, Vertical $\pm 10^\circ$	
Operating Temperature		-13°F to $+131^\circ\text{F}$ (-25°C to $+55^\circ\text{C}$)	
Mounting Positions		Indoor / Outdoor	
Wiring		Terminals	
Weight		63.7oz(1805g)Transmitter & Receiver	
Dimentions		W100 x H247 x D100 mm	
Standard Accessories		U-Shaped Brackets x 2 , Attenuation Sheet x 1 Screws (4x20 Self tapping) x 4 , Screws (M4 x 20) x 4	
Option		Heating Unit HT-150	

FEATURES

• Dew, Dust & Insect Protection

The O-Ring could effective prevent rain, dust and tiny insects. The cover anti-dew design could effective lower false alarm rate.



• 99% Beam Blocking Stability

Keep stable even 99% loss of beam energy by rain, snow or frost.

• High-efficiency Aspheric Lens

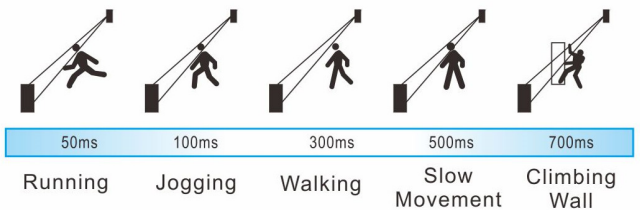
High-efficiency aspheric lens is designed for improving beam focusing.

• A.G.C. (Automatic Gain Control) Circuit

The A.G.C. (Automatic Gain Control) Circuit continually monitors for gradual changes in the signal's strength caused by weather conditions and adjusts the trigger level accordingly, to maintain proper sensitivity.

• Adjustable Beam Interruption Period

Beam interruption time can be adjusted according to the peculiarities of each installation site. Time period is 50ms~700ms.



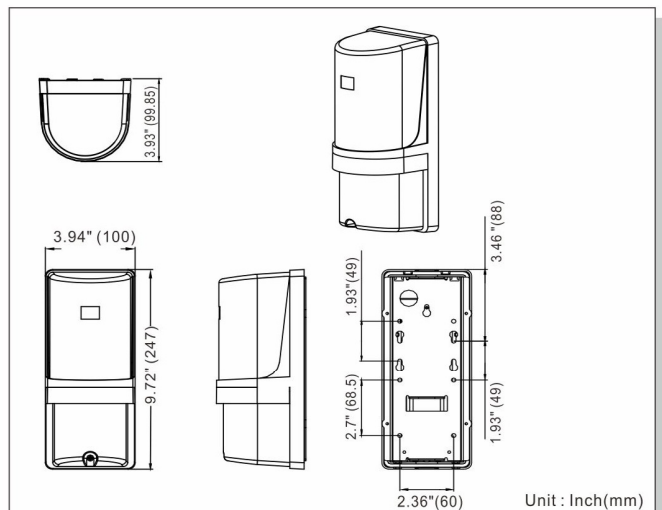
• Heating Unit HT-150 (Option)

Heating unit HT-150 is designed for extremely cold conditions. HT-150 could start manually to heat the system and keep products functional and stable.

HT-150 : 24V DC/AC, 400mA max.
(800mA/set)



DIMENSIONS:



Unit : Inch(mm)

NOTE :

1. This unit is designed to detect intruder and activate alarm control panel. Being only a part of complete system, we cannot assume responsibility for theft or damages, should it occur.
2. Specifications and design are subjected to change without prior notice.
3. No take apart the product improperly, which possibly cause the damage.



Taiwan Security Net Co., Ltd.

Designing / Manufacturing

WebSite: <http://www.sengate.com>



No.A021E02-02